

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior listings, and all prior versions, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) An extractor comprising a structure body having an extracting device and a hole forming device, that said structure body is supported so as to be rotatable, and said structure-extracting device comprising a capturing section for capturing specific chemical components from a specimen; specimen and a plurality of reagent containers which are organized for the capturing, and which hold liquid which will flow through the said capturing section, wherein:

the said plurality of reagent containers which are connected to the said capturing section comprise a liquid outlet port which is provided at the a side opposite to the a rotation center-side, namely an outer periphery side, during rotation of said structure body;

the said capturing section is held in the structure said extracting device, closer to the an outer periphery side than the said plurality of reagent containercontainers;
and

a flow path is provided which has a bent flow path portion which returns to the said rotation center-side, and which at a particular stage prevents the a flow of liquid from the said reagent containers which are connected to the said capturing sections, and at another stage, forms the said liquid flow due to the a centrifugal force from the a rotation of the structuresaid extracting device, and a vent hole is formed to a cover for sealing said reagent containers using said hole forming device.

2. (Cancelled).

3. (Cancelled).

4. (Currently Amended) An extractor comprising a structure ~~that~~body having an extracting device and a hole forming device, said structure body is supported so as to be rotatable, said ~~structure~~extracting device comprising a capturing section for capturing specific chemical ~~components~~compounds from a ~~specimen, specimen~~ and a plurality of reagent containers ~~which are organized for the capturing, and which~~ hold liquid which will flow through ~~the~~said capturing section, wherein:

~~the~~said plurality of reagent containers which are connected to ~~the~~said capturing section comprise a liquid outlet port which is provided at a side opposite to ~~the~~a rotation center side; namely an outer periphery side, during rotation of said structure body;

~~the~~said capturing section is held in ~~the~~the~~structure~~said extracting device, closer to ~~the~~an outer periphery side than ~~the~~said plurality of reagent ~~container~~containers; and

a dispensing mechanism for dispensing ~~the~~said liquid to ~~the~~said reagent containers is provided, and

~~and the~~said capturing section and said reagent containers which are connected to ~~the~~said capturing section are connected by a flow path ~~in which there are no valves.~~

5. (Currently Amended) A chemical analyzer comprising a structure ~~that~~body having an analyzing device and a hole forming device, said structure body is supported so as to be rotatable, said ~~structure~~analyzing device comprising a capturing section for capturing specific chemical components from a specimen and specimen containers, and reagent containers ~~including washing solution containers,~~ wherein:

~~the~~said reagent container ~~and washing solution container~~ ~~comprise~~comprises a liquid outlet port which is provided at a periphery side opposite to ~~the~~a rotation

center side during rotation of said structure body;

~~the said~~ capturing section is held in ~~the structure~~ said analyzing device, closer to ~~the an~~ outer periphery side than ~~the said~~ specimen containers and the reagent containers which include the washing solution containers;

a flow path is provided which connects ~~the said~~ capturing section, ~~with the washing solution containers and with other said~~ reagent containers;

at ~~the outer~~ said periphery side and ~~at the downstream side of the said~~ capturing section, in an amplifying solution storage container for introducing amplifying solution for amplification and detection, analysis sections are provided which are connected by a flow path which ~~forms the flow of amplifying solution due to centrifugal force without using valves, having a bent flow path portion which returns to a rotation center side than a position of a flow path outlet of said amplifying solution storage container, in an amplifying solution storage container for introducing amplifying solution for amplification and detection, and the a~~ flow path outlet port from ~~the said~~ amplifying solution storage container to ~~the said~~ analysis section is provided at ~~the said~~ outer periphery side.

6. (Cancelled).

7. (Cancelled).

8. (Currently Amended) ~~The A~~ chemical analyzer of according to Claim 5 or claim 5 or claim 8,

wherein

~~the said~~ reagent containers including the washing solution containers have a dispensing mechanism.

9. (Currently Amended) ~~The~~ A chemical analyzer ~~of according to any of Claims 5 to 8~~ claim 8, wherein ~~the~~ a discharge fluid storage container is arranged along ~~the~~ a periphery and connected to ~~the~~ said analysis section.

10. (Currently Amended) A chemical analyzer comprising a structure body having an analyzing device and a hole forming device, that is supported so as to be rotatable, ~~said structure~~ analyzing device comprising a capturing section for capturing specific nucleic acids from a specimen, specimen containers, serum storage containers, mixture containers in which reagents ~~and~~ said ~~specimens~~ specimen are mixed, and reagent containers which include washing solution containers, wherein:

~~the~~ said specimen container, ~~the~~ said mixture container, and ~~the~~ said washing solution container comprise a liquid outlet port which is provided at an outer periphery side opposite to ~~the~~ a rotation center side; during rotation of said structure body,

~~the~~ said nucleic acid capturing section is held in ~~the structure~~ said analyzing device closer to ~~the~~ said outer periphery side than ~~the~~ said specimen containers, ~~the~~ said reagent containers, and ~~the~~ said washing solution containers;

a flow path is provided which connects ~~the~~ said nucleic acid capturing section with ~~the~~ said washing solution containers and the other reagent containers; and

~~at the outer~~ said periphery side and ~~at the downstream side of the~~ said capturing section, to an amplifying solution storage container for introducing amplifying solution for amplification and detection, analysis sections are provided, which are connected by a flow path ~~which forms the flow of amplifying solution due to centrifugal force without using valves~~ having a bent flow path portion which returns to a rotation center side than a position of a flow outlet of said amplifying solution storage container, ~~in an amplifying solution storage container for introducing amplifying solution for amplification and detection~~, and ~~the~~ a flow path outlet port from

~~the said~~ amplifying solution storage container to ~~the said~~ analysis section is provided at ~~the said~~ outer periphery side.

11. (Cancelled).

12. (Cancelled).

13. (Currently Amended) ~~The~~ A chemical analyzer ~~of according to Claims 10 or 11 claim 10,~~ wherein

~~the said~~ reagent containers ~~including the washing solution containers~~ have a dispensing mechanism.

14. (Currently Amended) ~~The~~ A chemical analyzer ~~of according to any of Claims 10 to 12~~ claim 10, wherein discharge fluid storage containers are arranged along to ~~the a~~ periphery and are connected to ~~the said~~ analysis section.

15. (Currently Amended) A chemical analyzer comprising a structure body having an analyzing device and a hole forming device, ~~that said structure body~~ is supported so as to be rotatable, said ~~structure-analyzer device~~ comprising a nucleic acid capturing section for capturing specific nucleic acids from a specimen, specimen containers, mixture containers in which reagents and said specimens ~~specimen~~ are mixed, and reagent containers which include washing solution containers, wherein:
~~the said~~ specimen containers, ~~the said~~ mixture containers and ~~the said~~ washing solution containers comprise a liquid outlet port which is provided at ~~the an~~ outer periphery side opposite to ~~the a~~ rotation center side during rotation of said structure body;

~~the said~~ nucleic acid capturing section is held in ~~the structure~~ said analyzing device, closer to ~~the said~~ outer periphery side than ~~the said~~ specimen containers, the

said mixture containers, and ~~the~~ said reagent containers which include ~~the~~ said washing solution ~~containers,~~containers;

a flow path is provided which connects ~~the~~ said nucleic acid capturing section with ~~the~~ said mixture containers and ~~the~~ said washing solution containers, and has a bent flow path portion which ~~returns~~ returns, closer to ~~the~~ a rotation center side than ~~the~~ an outlet port of ~~the~~ said mixture container and ~~the~~ said washing solution container respectively.

16. (Currently Amended) A chemical analyzer comprising a structure body having an analyzing device and a hole forming device, that is supported so as to be rotatable, ~~said structure~~ analyzing device comprising a nucleic acid capturing section for capturing specific nucleic acids from a specimen, specimen containers, mixture containers in which reagents and ~~specimens~~ specimen are mixed, and reagent containers which include washing solution containers, wherein:

~~the~~ said specimen containers, and ~~the~~ said reagent containers which include ~~the~~ said washing solution containers and are sealed with a cover, and comprise a liquid outlet port which is provided at ~~the~~ an outer periphery side opposite to ~~the~~ a rotation center side during rotation of said structure body;

~~the~~ said nucleic acid capturing section is held in ~~the~~ said ~~structure~~ analyzing device, closer to ~~the~~ said outer periphery side than ~~the~~ said specimen containers, ~~the~~ said mixture containers, and said reagent containers including ~~the~~ said washing solution containers and ~~comprises~~ a said hole forming device for forming forms a vent hole in ~~the~~ said cover of ~~the~~ said specimen container, ~~the~~ said washing solution container and the other reagent containers; and

~~the~~ said nucleic acid capturing section ~~and the~~ , said mixture containers and ~~the~~ said washing solution containers, ~~and the other reagent containers,~~ are connected by a flow path, and ~~the~~ said flow path has a bent flow path portion which returns closer to ~~the~~ a rotation center side than ~~the~~ an outlet port of ~~the~~ said washing

~~solution-solutions~~ containers and said the other reagent container respectively, and which before a vent hole formation ~~prevents a~~ the flow of liquid from ~~the~~ said washing solution containers, and said the other reagent container, and after said vent hole formation, forms a liquid flow due to ~~the~~ a centrifugal force from ~~the~~ a rotation of ~~the structure~~ said analyzing device, and prevents ~~the~~ a flow of liquid remaining in ~~the~~ a flow path from flowing to ~~the~~ said nucleic acid capturing section.

17. – 22. (Cancelled).

23. (Currently Amended) An extractor comprising a structure body having an extracting device, ~~that~~ said structure body is supported so as to be rotatable, and ~~said structure~~ extracting device comprising a capturing section for capturing specific chemical components from a ~~specimen,specimen~~ and a plurality of reagent containers ~~which are organized for the capturing, and which hold liquid which will flow through the~~ said capturing section, wherein:

~~the~~ said plurality of reagent containers which are connected to ~~the~~ said capturing section comprise a liquid outlet port which is provided at ~~the~~ a side opposite to ~~the~~ a rotation center-side, namely an outer periphery side during rotation of said structure body;

~~the~~ said capturing section is held in ~~the structure~~ said extracting device, closer to ~~the~~ an outer periphery side than ~~the~~ said plurality of reagent ~~container~~ containers;

and

a reagent control portion is provided an upstream side of ~~the~~ a reagent outlet port which controls ~~the~~ a flow of ~~the~~ a reagent and which at a particular stage prevents ~~the~~ a flow of liquid from ~~the~~ said reagent containers which are connected to ~~the~~ said capturing section to ~~the~~ said capturing sections, and at another stage, forms ~~the~~ said liquid flow due to ~~the~~ a centrifugal force from ~~the~~ a rotation of ~~the structure~~ said extracting device.

24. (Currently Amended) An extractor comprising a structure body having an extracting device, that said structure body is supported so as to be rotatable, and said structure extracting device comprising a capturing section for capturing specific chemical substances from a specimen,specimen and a plurality of reagent containers ~~which are organized for the capturing, and~~ which hold liquid which will flow through ~~the said~~ capturing section, ~~wherein wherein:~~

~~the said~~ reagent containers separately hold a ~~number of a~~ plurality of washing solutions and eluents as ~~the a~~ reagent, and comprises a reagent outlet for feeding each said reagent to ~~the said~~ capturing section ~~which is positioned at the rotation center side to the same extent as the reagent outlet;~~

said plurality of washing solutions are respectively used at different timings and a reagent outlet of ~~the said~~ washing solution to be used ~~in the subsequent washing step~~ an early timing is positioned a rotation center to the same extent.

25. (Cancelled).

26. (Currently Amended) ~~The~~ An extractor ~~of according to Claim 23 or 24~~ claim 23 or claim 24, wherein wherein:

said extractor has an optical device in which light is irradiated in ~~the said~~ reagent container to heat ~~the said~~ reagent.

27. (New) A structure body comprising:
a main body;
at least one analyzing disc mounted on said main body;
a motor for driving said analyzing disc;
a holding device rotatably supported by said motor;
plural analyzers provided on said holding device;

an operating device mounted on said main body; and
a hole forming device for forming holes on said plural analyzers.

28. (New) A structure body according to claim 27, wherein said analyzing disc comprises:

an upper cover;
a lower cover; and
a flow path portion provided between said upper cover and said lower cover.

29. (New) A structure body according to claim 28, wherein said flow path portion comprises:

plural reagent containers;
extracting devices; and
a capturing section for capturing specific chemical compounds.